

Dear Colleagues,
Department of Molecular Biology in cooperation with Slovak Society for
Biochemistry and Molecular Biology, Science park of CU and EMBL
invites you to lecture in frame of cycle



EMBL



"Spring Meetings in Park"



Mag. rer. nat. Tamara Weiss, PhD.

Medical University of Vienna, Department of Plastic, Reconstructive & Aesthetic Surgery

**„Injury-induced reprogramming and repair functions
of human Schwann cells“**

April 10th 2026 at 10:00

in Conference Room
Science Park, Comenius University

Tamara Weiss – brief CV: MSc. degree in 'molecular biology' – University of Vienna, AT, 2011; Visiting scientist at the MRC Cambridge Stem Cell Institute, University of Cambridge, UK, 2010; PhD study at the Children's Cancer Research Institute, Vienna, AT, 2017; since 2018 postdoc/PI – at the Medical University of Vienna, Department of Plastic, Reconstructive & Aesthetic Surgery, AT

Research area: Schwann cells possess remarkable plasticity and are capable of performing a wide range of functions that are increasingly recognized as critical in tissue regeneration and neoplastic disease. My overarching research goal is to elucidate the molecular mechanisms that govern the versatile behavior of human Schwann cells during nerve regeneration, as well as in benign and malignant tumor development for therapeutic exploitation.

**We are looking forward
to meet you in Park,
on behalf of organizers,
Stano Stuchlík**

Selected papers:

Weiss T*, Taschner-Mandl S*, Janker L, Bileck A, Rifatbegovic F, Kromp F, Sorger H, Kauer MO, Frech C, Windhager R, Gerner C, Ambros PF, Ambros IM. ***Schwann cell plasticity regulates neuroblastic tumor cell differentiation via epidermal growth factor-like protein 8.*** *Nature Commun.* 2021 Mar 12;12(1):1624. <https://pubmed.ncbi.nlm.nih.gov/33712610/>

Millesi F*, **Weiss T***, Mann A, Haertinger M, Semmler L, Supper P, Pils D, Naghilou A, Radtke C. ***Defining the regenerative effects of native spider silk fibers on primary Schwann cells, sensory neurons, and nerve-associated fibroblasts.*** *FASEB J.* 2021 Feb;35(2):e21196. <http://dx.doi.org/10.1096/fj.202001447r>

Direder M*, **Weiss T**, Copic D, Vorstandlechner V, Laggner M, Pfisterer K, Mildner CS, Klas K, Bormann D, Haslik W, Radtke C, Farlik M, Shaw L, Golabi B, Tschachler E, Hoetzenecker K, Ankersmit HJ, Mildner M. ***Schwann cells contribute to keloid formation.*** *Matrix Biol.* 2022 Apr;108:55-76. <https://pubmed.ncbi.nlm.nih.gov/35278628/>

Berner J*, **Weiss T***, Sorger H, Rifatbegovic F, Kauer M, Windhager R, Dohnal A, Ambros PF, Ambros IM, Boztug K, Steinberger P, Taschner-Mandl S. ***Human repair-related Schwann cells adopt functions of antigen-presenting cells in vitro.*** *Glia.* 2022 Dec;70(12):2361-2377. <https://pubmed.ncbi.nlm.nih.gov/36054432/>

Weiss T*, Taschner-Mandl S*, Bileck A, Slany A, Kromp F, Rifatbegovic F, Frech C, Windhager R, Kitzinger H, Tzou CH, Ambros PF, Gerner C, Ambros IM. ***Proteomics and transcriptomics of peripheral nerve tissue and cells unravel new aspects of the human Schwann cell repair phenotype.*** *Glia.* 2016 Dec;64(12):2133-2153. <http://dx.doi.org/10.1002/glia.23045>